BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work: PROVIDING DRINKING WATER FACILITIES IN RAMBHOVI COLONY,KHATHANAGAR AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Measurement Sheet

First and Final

Item No:	1	
Item Name:	KSRB 2-1.2 : Earthwork in surface excavation in Hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1. (P.No. 5/I.No. 2.2 of CSR 2015-16)	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	6th Sub cross road LHS									
	0.00	30.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	30.00	60.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	60.00	75.00	1	15.00	0.85	0.85	0.85	0.650	8.29	
	6th Main Sub Road									
	0.00	30.00	2	30.00	0.85	0.85	0.85	0.650	33.15	
	30.00	49.50	2	19.50	0.85	0.85	0.85	0.650	21.55	
	6th main Sub Road									
	0.00	29.50	2	29.50	0.85	0.85	0.85	0.650	32.60	
	7th Main Road RHS									
	0.00	30.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	30.00	60.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	60.00	70.00	1	10.00	0.85	0.85	0.85	0.650	5.53	
	7th Main Road LHS									
	0.00	30.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	30.00	60.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	60.00	63.50	1	3.50	0.85	0.85	0.85	0.650	1.93	
	B Cross road									
	0.00	30.00	2	30.00	0.85	0.85	0.85	0.650	33.15	
	30.00	60.00	2	30.00	0.85	0.85	0.85	0.650	33.15	
	60.00	78.50	2	18.50	0.85	0.85	0.85	0.650	20.44	
	Suguna Electrical Road to Dead End LHS									
	0.00	30.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	30.00	35.50	1	5.50	0.85	0.85	0.85	0.650	3.04	
	Pipeline Road First Sub Road									
	0.00	25.50	1	25.50	0.85	0.85	0.85	0.650	14.09	
	C cross from Pipeline to Main road									

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NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	150.00	180.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	180.00	210.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	210.00	240.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	240.00	270.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	270.00	300.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	300.00	330.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	330.00	349.00	1	19.00	0.85	0.85	0.85	0.650	10.50	
	pipeline to BWSSB Office LHS									
	24.00	30.00	1	6.00	0.85	0.85	0.85	0.650	3.32	
	30.00	60.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	60.00	90.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	90.00	120.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	120.00	150.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	150.00	180.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	180.00	210.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	210.00	240.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	240.00	270.00	1	30.00	0.85	0.85	0.85	0.650	16.58	
	270.00	285.00	1	15.00	0.85	0.85	0.85	0.650	8.29	
								Total Qty Work Done	2301.72	Cum
								Qty Payable in this bill	1974.00	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Asst Engineer
Ward no.16,BBMP
28/2/18

Asst Executive Engineer 2/6/18
Yashwanthapura Sub Division, BBMP
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BRUHAT BANGALORE MAHANAGARA PALIKE

ame Of Work: PROVIDING DRINKING WATER FACILITIES IN RAMBHOVI ,ONY,KHATHANAGAR AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Measurement Sheet

First and Final

1 No: 2

em me: KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 5/I.No. 2.4 of CSR 2015-16)

.NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	6th Sub cross road LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	60.00	75.00	1	15.00	0.30	0.30	0.30	0.600	2.70	
	6th Main Sub Road									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.600	10.80	
	30.00	49.50	2	19.50	0.30	0.30	0.30	0.600	7.02	
	6th main Sub Road									
	0.00	29.50	2	29.50	0.30	0.30	0.30	0.600	10.62	
	7th Main Road RHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	60.00	70.00	1	10.00	0.30	0.30	0.30	0.600	1.80	
	7th Main Road LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	60.00	63.50	1	3.50	0.30	0.30	0.30	0.600	0.63	
	B Cross road									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.600	10.80	
	30.00	60.00	2	30.00	0.30	0.30	0.30	0.600	10.80	
	60.00	78.50	2	18.50	0.30	0.30	0.30	0.600	6.66	
	Suguna Electrical Road to Dead End LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.600	5.40	
	30.00	35.50	1	5.50	0.30	0.30	0.30	0.600	0.99	
	Pipeline Road First Sub Road									
	0.00	25.50	1	25.50	0.30	0.30	0.30	0.600	4.59	
	C cross from Pipeline to Main road									

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	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	7th Cross sub Road									
			14	1.50	0.30	0.30	0.30	0.600	3.78	
	Oppt to 7th Cross sub Road RHS									
			10	1.50	0.30	0.30	0.30	0.600	2.70	
	7th Cross in 2nd main LHS									
			9	1.50	0.30	0.30	0.30	0.600	2.43	
	7th Cross in 2nd main RHS									
			14	1.50	0.30	0.30	0.30	0.600	3.78	
	1st Cross From Annaporneshwari Coffe									
			10	1.50	0.30	0.30	0.30	0.600	2.70	
	pipeline to BWSSB Office LHS									
			8	1.50	0.30	0.30	0.30	0.600	2.16	
	pipeline to BWSSB Office LHS									
			15	1.50	0.30	0.30	0.30	0.600	4.05	
								Total Qty Work Done	883.53	Cum
								Qty Payable in this bill	843.89	Cum

tractor Representative

Asst Engineer
Yard no.16,BBMP

CIVIL QUALITY CONSULTANTS & ENGINEERS

Assistant Executive Engineer
Yashwanthapura Sub Division,BBMP
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work: PROVIDING DRINKING WATER FACILITIES IN RAMBHOVI LONY,KHATHANAGAR AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Measurement Sheet

First and Final

tem No:	3									
Item Name:	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Cement concrete road.									
SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	6th Sub cross road LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	75.00	1	15.00	0.30	0.30	0.30	0.150	0.68	
	6th Main Sub Road									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	30.00	49.50	2	19.50	0.30	0.30	0.30	0.150	1.76	
	6th main Sub Road									
	0.00	29.50	2	29.50	0.30	0.30	0.30	0.150	2.66	
	7th Main Road RHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	70.00	1	10.00	0.30	0.30	0.30	0.150	0.45	
	7th Main Road LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	63.50	1	3.50	0.30	0.30	0.30	0.150	0.16	
	B Cross road									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	30.00	60.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	60.00	78.50	2	18.50	0.30	0.30	0.30	0.150	1.67	
	Suguna Electrical Road to Dead End LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	35.50	1	5.50	0.30	0.30	0.30	0.150	0.25	
	Pipeline Road First Sub Road									
	0.00	25.50	1	25.50	0.30	0.30	0.30	0.150	1.15	
	C cross from Pipeline to Main road									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	90.00	1	30.00	0.30	0.30	0.30	0.150	1.35	

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SNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	90.00	91.50	1	1.50	0.30	0.30	0.30	0.150	0.07	
	3rd cross									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	68.00	1	8.00	0.30	0.30	0.30	0.150	0.36	
	2nd Cross									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	30.00	60.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	60.00	64.00	2	4.00	0.30	0.30	0.30	0.150	0.36	
	18th cross									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	30.00	60.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	60.00	69.00	2	9.00	0.30	0.30	0.30	0.150	0.81	
	8th Cross road RHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	8th Cross Sub Road									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	38.70	1	8.70	0.30	0.30	0.30	0.150	0.39	
	Manju Chicken center Opp road upto 2nd Main RHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	90.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	90.00	103.50	1	13.50	0.30	0.30	0.30	0.150	0.61	
								Total Qty Work Done	54.55	Cum
								Qty Payable in this bill	53.30	Cum

CIVIL QUALITY CONSULTANTS & ENGINEERS

Contractor Representative

Consultant Representative

Asst Engineer
Ward no.14,BBMP

Asst.Executive Engineer
Yashwanthapura Sub Division,BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work: PROVIDING DRINKING WATER FACILITIES IN RAMBHOVI COLONY,KHATHANAGAR AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Measurement Sheet

First and Final

Item No: 4

Item Name: Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. (P.No.257/I.No. 37.38 of CSR 2015-16)

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Behind Temple from water tank LHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	90.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	90.00	120.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	120.00	150.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	150.00	180.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	180.00	207.00	1	27.00	0.30	0.30	0.30	0.150	1.22	
	Behind Temple from water tank RHS									
	0.00	30.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	30.00	60.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	60.00	73.00	1	13.00	0.30	0.30	0.30	0.150	0.59	
	73.00	103.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	103.00	133.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	133.00	163.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	163.00	184.00	1	21.00	0.30	0.30	0.30	0.150	0.95	
	Behind Shani mandira 4th Cross									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	30.00	60.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	60.00	67.00	2	7.00	0.30	0.30	0.30	0.150	0.63	
	End Main Road Upto MES Main road									
	0.00	30.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	30.00	60.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	60.00	90.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	90.00	120.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	120.00	150.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	150.00	180.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	180.00	210.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	210.00	240.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	240.00	270.00	2	30.00	0.30	0.30	0.30	0.150	2.70	
	270.00	300.00	2	30.00	0.30	0.30	0.30	0.150	2.70	

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SNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	240.00	270.00	1	30.00	0.30	0.30	0.30	0.150	1.35	
	270.00	285.00	1	15.00	0.30	0.30	0.30	0.150	0.68	
								Total Qty Work Done	132.92	Cum
								Qty Payable in this bill	124.36	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Asst Engineer
Ward no.16,BBMP
12/3/18

Asst Executive Engineer
Yashwanthapura Sub Division,BBMP
4/6/18

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work: PROVIDING DRINKING WATER FACILITIES IN RAMBHOVI COLONY,KHATHANAGAR AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Measurement Sheet

First and Final

Item No:	5									
Item Name:	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 50mm nominal OD pipes									
SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	6th Sub cross road LHS									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	
	60.00	75.00	1	15.00					15.00	
	6th Main Sub Road									
	0.00	30.00	2	30.00					60.00	
	30.00	49.50	2	19.50					39.00	
	6th main Sub Road									
	0.00	29.50	2	29.50					59.00	
	7th Main Road RHS									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	
	60.00	70.00	1	10.00					10.00	
	7th Main Road LHS									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	
	60.00	63.50	1	3.50					3.50	
	B Cross road									
	0.00	30.00	2	30.00					60.00	
	30.00	60.00	2	30.00					60.00	
	60.00	78.50	2	18.50					37.00	
	Sagana Electrical Road to Dead End LHS									
	0.00	30.00	1	30.00					30.00	
	30.00	35.50	1	5.50					5.50	
	Pipeline Road First Sub Road									
	0.00	25.50	1	25.50					25.50	
	Cross from Pipeline to Main road									

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NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	150.00	180.00	1	30.00					30.00	
	180.00	210.00	1	30.00					30.00	
	210.00	240.00	1	30.00					30.00	
	240.00	270.00	1	30.00					30.00	
	270.00	300.00	1	30.00					30.00	
	300.00	330.00	1	30.00					30.00	
	330.00	349.00	1	19.00					19.00	
	pipeline to BWSSB Office LHS									
	24.00	30.00	1	6.00					6.00	
	30.00	60.00	1	30.00					30.00	
	60.00	90.00	1	30.00					30.00	
	90.00	120.00	1	30.00					30.00	
	120.00	150.00	1	30.00					30.00	
	150.00	180.00	1	30.00					30.00	
	180.00	210.00	1	30.00					30.00	
	210.00	240.00	1	30.00					30.00	
	240.00	270.00	1	30.00					30.00	
	270.00	285.00	1	15.00					15.00	
								Total Qty Work Done	4166.00	Mtr
								Qty Payable in this bill	3948.00	Mtr

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS

Asst Engineer
Ward no.16,BBMP

Assistant Engineer
Yashwanthapura Sub Division,BBMP

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